

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 73.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-004986**Date Inspected:** 12-Dec-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 800**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** HoChang, Korea**Location:** Unyang, Korea**CWI Name:** N/A**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Pier E2 bearing and Shear key**Summary of Items Observed:**

The following report is based on METS observations at HoChang Machinery Industries. Current work: Casting, forging and machining.

On this date the Caltrans Quality Assurance (QA) inspector, Dong J. Shin arrived at HoChang Machinery Industries (HCMI) located at Unyang, Korea. The Purpose of this trip was to observe quality control during fabricate and process of following items.

Forging

1. Bearing Bottom Housing (B1-07/F07302-010): Continue to rough machining
2. Bearing Bottom Housing (B2-07/F07302-020): Continue to rough machining
3. Bearing Bottom Housing (B3-07/F07302-030): Start rough machining.
4. Bearing Bottom Housing (B4-07/F07302-040): Waiting for rough machining.
5. Spherical Ring (S1-07/F07302-050): complete rough machining.
6. Spherical Ring (S2-07/F07302-060): complete rough machining.
7. Spherical Ring (S3-07/F07302-070): complete rough machining.
8. Spherical Ring (S4-07/F07302-080): complete rough machining.
9. Solid Shaft (B1-02/F07302-090): complete rough machining.
10. Solid Shaft (B2-02/F07302-100): complete rough machining.
11. Solid Shaft (B3-02/F07302-110): complete rough machining.
12. Solid Shaft (B4-02/F07302-120): complete rough machining.

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- F number is DooSan Production Number.
- B number is drawing Number .

Casting

1. Bearing Top Housing(B1-06, C07039-010): Waiting for raiser cut
2. Bearing Top Housing(B2-06, C07039-020): Sand removal
3. Bearing Top Housing(B3-06, C07039-030): Sand removal
4. Bearing Top Housing(B4-06, C07039-040): Molding work
5. Bearing Hold Down Assembly (B1-01-1, C07039-050): Waiting for raiser cut
6. Bearing Hold Down Assembly (B1-01-2, C07039-060): Waiting for raiser cut
7. Bearing Hold Down Assembly (B2-01-1, C07039-070): Sand removal
8. Bearing Hold Down Assembly (B2-01-2, C07039-080): Finished pouring
9. Bearing Hold Down Assembly (B3-01-1, C07039-170): Finished pouring
10. Bearing Hold Down Assembly (B3-01-2, C07039-180): Molding work
11. Bearing Hold Down Assembly (B4-01-1, C07039-190): Molding work
12. Bearing Hold Down Assembly (B4-01-2, C07039-200): Molding work
13. Shear Key Stub(S1-01, C07039-090) : Waiting for raiser cut
14. Shear Key Stub(S2-01, C07039-100) : Sand removal
15. Shear Key Stub(S3-01, C07039-110) : Finished pouring
16. Shear Key Stub(S4-01, C07039-120) : Molding work
17. Shear key Housing(S1-03, C07039-130): Sand removal
18. Shear key Housing(S2-03, C07039-130): Sand removal
19. Shear key Housing(S3-03, C07039-130): Finished pouring
20. Shear key Housing(S4-03, C07039-130): Molding work

- * S and B number is drawing number.
- * C number is DSHI ID number
- * Blank is not started.



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Summary of Conversations:

Discuss Mr. S. H. Kwak regarding current status of NDE procedure and fabrication procedure comments.

Check machining schedule of bearing bottom housing with Mr. S. H. Kwak.

Ask production schedule of casting.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Jinesh K, Mehta (951) 840-0541, who represents the Office of Structural Materials for your project.

Inspected By:	Shin,DJ	Quality Assurance Inspector
Reviewed By:	Lanz,Joe	QA Reviewer
